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LIVESTOCK AND MEAT
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WORLD TALLOW PRODUCTION

AND TRADE, 1970

Summary

World production of tallow and greases continued to rise in 1970 and set a new high of 9,769 million pounds, compared with 9,386 million produced in 1969. Total exports rose to 3,433 million pounds from 3,123 million in 1969; however, total imports dropped to 3,351 million from 3,367 million the previous year. Small gains in production and trade are anticipated for 1971.

Production

World production of tallow and greases in the major producing countries continued to rise in 1970 and set a new high of 9,769 million pounds. This represented a 4.1 percent increase from 1969 and was 25 percent larger than the 1961-65 annual average of 7,836 million pounds.

All major producing countries recorded gains over 1969 except Argentina, Brazil, and New Zealand. The United States showed the largest absolute increase of 278 million pounds, followed by Canada with 44 million, the European Community (EC) with 31 million, Australia with 25 million, the United Kingdom with 22 million, and the USSR with 11 million. Argentina recorded the largest drop of 36 million pounds. Brazil was second with 12 million pounds and followed by New Zealand with 4 million. Other producing countries showing small declines included Peru, Austria, Finland, Norway, Portugal, Poland, Czechoslovakia, and Yugoslavia.

TABLE 1--TALLOW AND GREASES, ^{1/} PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1961-65, ANNUAL 1960-70

REGION AND COUNTRY	1960	1961	1962	1963	1964	1965
	MILLS LBS	MILLS LBS	MILLS LBS	MILLS LBS	MILLS LBS	MILLS LBS
NORTH AMERICA:						
CANADA.....	195.3	211.7	211.8	227.2	262.0	265.8
MEXICO.....	64.8	67.5	67.5	70.8	72.3	74.7
UNITED STATES.....	3,866.0	4,085.0	4,180.0	4,599.0	5,246.0	4,923.0
OTHER.....	31.8	32.0	31.4	32.9	35.4	35.0
TOTAL.....	4,158.0	4,396.2	4,490.7	4,929.8	5,615.7	5,298.5
SOUTH AMERICA:						
ARGENTINA.....	227.2	254.8	280.5	303.8	237.5	237.9
BRAZIL.....	110.6	118.9	113.9	112.6	119.5	122.0
CHILE.....	19.2	20.3	21.1	21.3	17.3	18.0
COLOMBIA.....	35.7	39.4	42.1	42.2	43.7	42.8
PERU.....	9.9	10.6	12.1	13.0	12.4	12.0
URUGUAY.....	40.7	33.8	34.2	39.9	45.3	46.5
VENEZUELA.....	13.5	15.2	15.4	16.4	17.6	18.2
OTHER.....	5.4	7.0	7.3	6.4	6.1	7.7
TOTAL.....	462.1	500.1	526.7	555.6	499.4	505.2
EUROPE:						
BELGIUM-LUXEMBOURG.....	40.8	38.4	40.6	45.2	40.3	40.1
FRANCE.....	233.7	252.4	260.1	252.4	253.5	261.2
GERMANY, WEST.....	96.3	108.2	117.9	144.6	155.4	176.8
ITALY.....	77.2	88.2	92.6	116.8	105.8	101.4
NETHERLANDS.....	37.4	38.9	42.8	48.5	52.7	57.2
TOTAL EC.....	485.4	526.1	554.1	607.5	607.9	636.8
DENMARK.....	69.3	74.7	75.4	88.0	90.4	99.3
IRELAND.....	22.8	26.4	26.0	26.7	24.0	24.4
SPAIN.....	32.8	34.2	34.0	34.8	41.2	36.6
SWEDEN.....	17.6	17.9	21.8	23.3	21.6	21.3
UNITED KINGDOM.....	268.8	263.2	268.8	291.2	291.2	308.9
OTHER.....	46.1	47.5	50.4	50.3	50.2	50.9
TOTAL WESTERN EUROPE.....	942.9	989.9	1,030.4	1,121.9	1,126.5	1,178.1
BULGARIA.....	9.8	12.1	14.4	14.4	15.6	16.9
CZECHOSLOVAKIA.....	23.1	23.3	25.4	23.9	25.3	26.6
GERMANY EAST.....	20.8	23.3	22.9	21.3	22.6	24.4
HUNGARY.....	14.1	14.2	14.7	13.4	11.9	12.6
POLAND.....	39.9	41.1	46.3	51.1	52.6	48.7
YUGOSLAVIA.....	23.9	28.1	39.9	32.7	32.3	30.3
TOTAL EASTERN EUROPE.....	131.7	142.2	163.6	156.8	160.3	159.4
TOTAL EUROPE.....	1,074.6	1,132.1	1,194.0	1,278.7	1,286.8	1,337.5
U.S.S.R.....	443.0	402.0	453.5	494.5	484.2	504.5
AFRICA:						
SOUTH AFRICA, REP OF.....	14.2	13.8	14.3	14.8	14.4	14.7
OTHER.....	16.5	17.8	19.1	19.9	18.2	16.0
TOTAL.....	30.7	31.6	33.4	34.7	32.6	30.7
ASIA:						
IRAN.....	25.3	25.5	26.0	25.4	25.0	26.0
JAPAN.....	18.8	18.7	19.2	23.2	26.8	24.8
TURKEY.....	10.7	11.7	11.9	11.7	11.3	11.7
OTHER.....	3.1	3.1	3.4	4.2	4.5	3.9
TOTAL.....	57.8	59.0	60.5	64.6	67.6	66.5
OCEANIA:						
AUSTRALIA ^{1/}	335.9	297.1	344.9	390.1	416.5	438.2
NEW ZEALAND ^{2/}	166.9	175.4	181.0	198.0	194.4	177.9
TOTAL.....	502.8	472.5	525.9	588.1	610.9	616.0
WORLD TOTAL.....	6,729.0	6,993.5	7,284.5	7,945.9	8,597.3	8,358.9

(Continued)

This table is part of a series of outputs utilizing the ADP system. It supercedes all annual tabular series since 1960 on the production of tallow and greases. The ADP system is being used to assure greater comparability of the production data among the countries enumerated.

TABLE 1--TALLOW AND GREASES: ^{1/} PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1961-65, ANNUAL 1960-70 (CON'D.)

REGION AND COUNTRY	AVERAGE 1961-65	1966	1967	1968	1969	1970 2/
	MILLS LBS	MILLS LBS	MILLS LBS	MILLS LBS	MILLS LBS	MILLS LBS
NORTH AMERICA:						
CANADA.....	235.7	245.6	272.5	313.1	363.4	407.0
MEXICO.....	70.5	75.0	71.7	78.7	81.6	85.5
UNITED STATES.....	4,606.6	5,059.0	5,344.0	5,287.0	5,195.0	5,474.0
OTHER.....	33.3	35.6	36.9	39.5	41.4	42.4
TOTAL.....	4,946.2	5,415.1	5,725.1	5,718.2	5,682.4	6,008.9
SOUTH AMERICA:						
ARGENTINA.....	262.9	276.5	300.5	305.4	339.1	302.9
BRAZIL.....	117.4	117.1	115.7	146.6	163.3	151.0
CHILE.....	19.6	19.7	20.7	---	---	---
COLOMBIA.....	42.1	40.5	41.1	43.9	45.7	47.5
PERU.....	12.0	12.4	12.3	12.0	10.4	10.2
URUGUAY.....	39.9	33.5	34.7	42.5	35.9	44.0
VENEZUELA.....	16.6	20.1	21.2	21.5	21.9	---
OTHER.....	6.9	4.9	7.8	5.6	4.2	5.6
TOTAL 3/.....	517.4	524.8	554.0	598.1	643.2	606.3
EUROPE:						
BELGIUM-LUXEMBOURG.....	40.9	43.2	45.6	46.3	48.1	50.3
FRANCE.....	256.0	264.6	286.6	286.6	269.0	276.7
GERMANY, WEST.....	140.6	187.2	207.2	251.3	255.7	269.0
ITALY.....	101.0	121.3	127.9	144.2	146.6	147.3
NETHERLANDS.....	48.0	56.5	61.5	64.5	63.4	70.5
TOTAL EC.....	586.5	672.7	728.8	792.9	782.8	813.7
DENMARK.....	85.5	110.7	122.8	119.9	117.0	121.9
IRELAND.....	25.5	27.3	35.8	32.5	34.9	35.8
SPAIN.....	36.2	38.4	40.3	43.0	43.7	47.0
SWEDEN.....	21.2	24.7	23.8	21.9	23.5	23.7
UNITED KINGDOM.....	284.7	317.6	329.1	318.8	302.4	324.8
OTHER.....	49.9	51.9	51.2	48.8	63.2	58.4
TOTAL WESTERN EUROPE.....	1,089.4	1,243.3	1,331.9	1,377.7	1,367.4	1,425.3
BULGARIA.....	14.7	19.5	20.1	21.7	---	---
CZECHOSLOVAKIA.....	24.9	27.5	30.1	33.4	31.8	---
GERMANY EAST.....	22.9	27.6	29.8	30.9	31.7	---
HUNGARY.....	13.4	12.3	12.9	14.7	---	---
POLAND.....	47.9	50.0	57.7	62.8	66.9	---
YUGOSLAVIA.....	32.7	34.2	37.2	41.7	39.0	38.9
TOTAL EASTERN EUROPE 3/.....	156.5	171.1	187.9	205.1	202.8	198.3
TOTAL EUROPE: 3/.....	1,245.9	1,414.4	1,519.8	1,582.8	1,570.2	1,623.6
U.S.S.R.....	467.8	545.3	627.5	658.3	658.9	670.0
AFRICA:						
SOUTH AFRICA, REP OF.....	14.4	14.9	13.3	11.9	13.4	15.0
OTHER.....	18.2	17.6	19.5	19.1	18.8	18.8
TOTAL.....	32.6	32.6	32.8	30.9	32.2	33.8
ASIA:						
IRAN.....	25.6	27.6	29.4	31.5	35.0	36.3
JAPAN.....	22.5	18.6	17.6	19.4	25.2	29.3
TURKEY.....	11.7	12.6	12.1	12.6	14.0	14.2
OTHER.....	3.8	4.0	4.2	4.9	4.9	5.2
TOTAL.....	63.6	62.8	63.3	68.3	79.2	85.0
OCEANIA:						
AUSTRALIA 4/.....	377.3	418.8	512.4	508.0	502.9	528.3
NEW ZEALAND 5/.....	185.3	189.7	184.4	213.3	216.8	212.8
TOTAL.....	562.7	608.6	696.7	721.2	719.7	741.1
WORLD TOTAL 3/.....	7,836.1	8,603.6	9,219.2	9,377.9	9,385.9	9,768.6

Note: Totals may not add due to rounding.

^{1/} Includes edible and inedible tallow and greases. ^{2/} Preliminary. ^{3/} Includes an allowance for any missing data for countries shown. ^{4/} Year ending June 30. ^{5/} Year ending September 30.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U. S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

North America. Production in this area rose to 6,009 million pounds from 5,682 million for 1969. The United States, Canada, and Mexico accounted for most of the gain. U.S. production set a new high of 5,474 million pounds and was up 5.4 percent from the 1969 figure of 5,196 million. Production in Canada rose to 407 million pounds from 363 million for 1969 and the output in Mexico totaled 86 million, compared with 82 million for the previous year.

South America. Tallow and grease production dropped to 606 million pounds from 643 million for 1969. Argentina and Brazil accounted for most of the decline while small gains were recorded for Colombia, Paraguay, Uruguay, and Venezuela.

Europe. Production in Western Europe was 1,425 million pounds--up 4.2 percent from the 1,367 million produced in 1969. Gains in the EC, Denmark, Sweden, Ireland, Switzerland, Spain, and the United Kingdom more than offset declines recorded for Austria, Finland, Norway, and Portugal.

Output in Eastern Europe, excluding the USSR, was estimated at 198 million pounds--down slightly from the 203 million produced in 1969. Declines in Poland, Yugoslavia, and Czechoslovakia offset gains estimated for Bulgaria, Hungary, and East Germany. Production in the USSR was estimated at 670 million pounds, compared with 659 million produced in 1969.

Oceania. This area's production was up 3.0 percent from 1969. Output in Australia rose to 528 million pounds from 503 million for 1969, while production in New Zealand dropped to 213 million from 217 million for the previous year.

Production Outlook. World tallow and grease production in 1971 is expected to continue its upward trend but the percentage gain is not expected to equal that of 1970. Output is expected to rise in all continents, resulting from the slaughter of more animals, except for South America--particularly Argentina--and possibly Eastern Europe, due to reduced hog slaughter caused by feed shortages attributed to an unfavorable growing season.

Trade

World exports by the major producers during 1970 totaled 3,433 million pounds, compared with 3,123 million for 1969. Gains were recorded for the United States, Australia, New Zealand, Canada, USSR, Denmark, Belgium-Luxembourg, and Uruguay. Countries showing drops from the previous year included Argentina, West Germany, France, and Yugoslavia.

U.S. World's Largest Exporter. The United States continues to be the world's largest exporter of tallow and greases. Shipments in 1970 totaled 2,192 million pounds, compared with 1,874 million in 1969 and the 1961-65 annual average of 1,777 million. However, the U.S. share of world trade represented only 64 percent of total exports last year--down significantly from the 71 percent for the 1961-65 period. As a percentage of domestic production, exports last year rose to 40 percent from 36 percent for the previous year. Combined exports from the major U.S. competitors--Australia, Argentina, New Zealand, Canada, and West Germany--accounted for 30 percent of world trade for

(Continued on page 10)

1/
Table 2--Tallow and greases: U.S. and world production and exports,
average 1961-65, annual 1968-70

Year	World		United States			
	Pro-	Exports	Pro-	Exports	Exports as	
	duction		duction		percent of	
					World	U.S. pro-
					exports	duction
	Million	Million	Million	Million		
	pounds	pounds	pounds	pounds	Percent	Percent
Average:						
1961-65	7,836	2,494	4,607	1,777	71	39
Annual:						
1968	9,378	3,188	5,287	2,218	70	42
1969	9,386	3,123	5,196	1,874	60	36
1970 2/	9,769	3,433	5,474	2,192	64	40

1/ Includes edible and inedible tallow and hog greases.

2/ Preliminary.

Table 3--Tallow and greases: U.S. exports, average 1961-65, annual 1968-70

Commodity	Average			1/
	1961-65	1968	1969	1970
	Million	Million	Million	Million
	pounds	pounds	pounds	pounds
Edible tallow	4	8	7	11
Inedible tallow	1,752	2,071	1,774	2,027
Choice white greases	2/ 21	139	93	154
Total	1,777	2,218	1,874	2,192

1/ Preliminary. 2/ 1965 first time separated from other fats.

Table 4--Tallow and greases: Exports from specified countries,
average 1961-65, annual 1968-70

Country	Average			1/
	1961-65	1968	1969	1970
	Million	Million	Million	Million
	pounds	pounds	pounds	pounds
United States 2/	1,777	2,218	1,874	2,192
Australia 3/ 4/	211	195	251	377
Argentina 2/	49	127	359	227
Canada 4/	114	166	151	179
New Zealand 3/ 4/	144	165	158	162
Germany, West 4/	67	104	97	84
Belgium and Luxembourg 2/	10	14	26	30
Netherlands 2/	17	26	26	26
France 2/	40	32	35	21
Denmark 2/	14	19	16	18
Uruguay	5	1	15	18
USSR	19	29	9	13
Yugoslavia	1	8	25	1
Other countries	26	84	81	85
Total	2,494	3,188	3,123	3,433

1/ Preliminary. 2/ Includes edible and inedible tallow and hog grease.

3/ Year ending June 30. 4/ Edible and inedible tallow.

Table 5--Tallow and greases: ^{1/} U.S. exports by country of destination,
average 1961-65, annual 1968-70

Continent and country	Average 1961-65	1968	1969	^{2/} 1970
	Million pounds	Million pounds	Million pounds	Million pounds
<u>North America:</u>				
Canada	23	12	14	12
El Salvador	13	23	24	26
Guatemala	17	40	11	29
Honduras	3	14	8	14
Mexico	1	9	40	69
Dominican Republic	7	13	16	16
Haiti	6	15	13	13
Jamaica	5	6	8	10
Nicaragua	1	4	8	13
Other countries	1	3	6	10
Total	77	139	148	212
<u>South America:</u>				
Colombia	23	57	55	32
Ecuador	22	33	23	29
Peru	11	33	21	21
Venezuela	16	23	13	13
Other countries	8	10	1	6
Total	80	156	113	101
<u>Europe:</u>				
<u>EC:</u>				
Belgium	19	12	12	42
France	18	6	5	17
Germany, West	89	61	45	46
Italy	179	103	50	84
Netherlands	149	190	88	198
Total EC	454	372	200	387
Ireland	1	1	1	10
Portugal	9	31	17	18
Spain	87	115	145	113
Switzerland	33	14	11	12
United Kingdom	39	58	50	62
Poland	82	44	12	54
Yugoslavia	24	---	---	---
Other countries	16	7	7	13
Total	745	642	443	669

(Continued)

Table 5--Tallow and greases: ^{1/} U.S. exports by country of destination,
average 1961-65, annual 1968-70 (continued)

Continent and country	Average 1961-65	1968	1969	^{2/} 1970
	Million pounds	Million pounds	Million pounds	Million pounds
USSR	121	---	---	---
<u>Africa:</u>				
Algeria	8	29	26	22
Morocco	22	32	24	35
UAR (Egypt)	94	102	106	135
Ghana	11	45	47	23
Guinea	1	3	8	---
Ivory Coast	4	^{3/}	1	1
Nigeria	1	6	3	5
Senegal	1	9	7	10
South Africa, Republic of	31	33	23	14
Other countries	6	1	4	7
Total	179	260	249	252
<u>Asia:</u>				
Iran	30	49	29	33
Turkey	32	14	51	10
China, Taiwan	41	49	44	47
India	18	157	194	189
Japan	343	556	453	443
Korea, Republic of	34	74	86	107
Pakistan	48	101	46	107
Philippines	20	14	13	13
Other countries	9	6	5	9
Total	575	1,020	921	958
<u>Oceania</u>	^{3/}	1	---	^{3/}
Total world	1,777	2,218	1,874	2,192

^{1/} Includes edible and inedible tallow and white hog greases.

^{2/} Preliminary.

^{3/} Less than 500,000 pounds.

Table 6--Tallow and greases: Exports from specified countries
by country of destination, average 1961-65, annual 1968-70

Exporting country and country of destination	Average 1961-65	1968	1969	1970 ^{1/}
	Million pounds	Million pounds	Million pounds	Million pounds
<u>Australia: 2/ 3/</u>				
Japan	28	13	45	96
Netherlands	4	10	42	53
South Africa, Republic of	37	27	38	52
Pakistan	10	4/	8	40
Burma	8	20	19	17
Kenya, Uganda, Tanzania	5	7	13	13
United Kingdom	29	2	5	13
Malaysia	14	8	8	12
France	1	3	2	11
Rhodesia, Malawi, and Zambia	4	12	7	9
Philippines	2	2	8	9
Thailand	4	6	6	6
Germany, West	1	3	1	6
Singapore	1	2	4	5
Ceylon	7	15	7	5
Mozambique	7	7	8	5
Fiji Islands	1	1	1	3
New Guinea and Papua	1	2	2	2
Hong Kong	1	1	1	1
India	5	39	12	4/
China Mainland	20	5	1	---
Other countries	21	10	13	19
Total	211	195	251	377
<u>Argentina: 5/</u>				
Netherlands	3	1	122	---
Poland	1/	2	50	---
Italy	8	8	40	---
Spain	1	4	29	---
Brazil	6	53	21	---
France	2	3	16	---
Chile	8	18	14	---
Portugal	1/	1	9	---
Bolivia	2	6	7	---
Colombia	12	18	7	---
Ecuador	1	3	7	---
Belguim	1/	4	6	---
Morocco	---	2	---	---
South Africa, Republic of	1	4/	---	---
Other countries	5	4	31	---
Total	49	127	359	6/ 227
<u>New Zealand: 2/ 3/ 7/</u>				
United Kingdom	35	19	19	34
Japan	13	23	24	28
Netherlands	2	8	20	19
Kenya, Uganda, Tanzania	4	8	7	15
France	4/	---	4	13
South Africa, Republic of	13	15	11	6
Mozambique	3	6	8	6
Malaysia	8	10	9	4
Ceylon	5	1	4	3
Singapore	1	8	4	3
Mauritius	---	3	4	3
Thailand	4/	2	2	3
Trinidad, Tobago	3	4	3	3

(Continued)

Table 6--Tallow and greases: Exports from specified countries
by country of destination, average 1961-65, annual 1968-70 (continued)

Exporting country and country of destination	Average 1961-65	1968	1969	1/ 1970
	Million pounds	Million pounds	Million pounds	Million pounds
<u>New Zealand: 2/ 3/ 7/ (cont'd.)</u>				
China Mainland	29	23	12	2
Philippines	1	3	6	2
Australia	4/	5	2	2
Malawi, Zambia, Southern Rhodesia	4	1	1	2
India	7	6	3	1
Burma	5	9	7	---
Ghana	3	4/	---	---
Jamaica	3	4/	4/	4/
Germany, West	1	4/	2	4/
Other countries	4	11	6	13
Total	144	165	158	162
<u>Canada: 2/</u>				
Japan	20	52	52	63
United Kingdom	42	53	42	53
Netherlands	6	32	26	21
United States	1	10	11	14
West Indies Federation	3	3	3	3
Ghana	1	2	3	2
South Africa, Republic of	5	3	1	---
Other countries	8/ 36	11	13	23
Total	114	166	151	179
<u>West Germany: 2/</u>				
Netherlands	11	35	37	36
France	11	34	29	22
United Kingdom	15	7	10	12
Switzerland	6	9	5	5
Belgium and Luxembourg	5	7	8	1
Other countries	9/ 19	12	8	8
Total	67	104	97	84

- 1/ Preliminary.
2/ Edible and inedible tallow.
3/ Year ending June 30.
4/ Less than 500,000 pounds.
5/ Edible and inedible tallow and hog grease.
6/ Country of destination not available.
7/ 1963-65 average.
8/ Includes 26 million pounds to Cuba.
9/ Includes 2.1 million pounds to Hungary; 2.0 to Czechoslovakia;
1.5 to Bulgaria; and 6.1 to the United Arab Republic.

1970, down slightly from the 33 percent for 1969 but still significantly above the 23 percent for the 1961-65 period.

Exporters' Markets for Tallow. The major markets for U.S. tallow and greases during 1970 were Japan, the Netherlands, India, UAR (Egypt), Spain, South Korea and Pakistan. The principal foreign markets for Australian tallow are Japan, the Netherlands, Republic of South Africa, and Pakistan. New Zealand's major foreign outlets include the United Kingdom, the Netherlands, Japan, and France. Canadian shipments are destined mainly to Japan, the United Kingdom, the Netherlands, and the United States. West Germany's shipments were virtually all to other members of the European Community (EC).

Export Outlook. World exports during 1971 are expected to increase slightly from 1970. Rising domestic production is increasing supplies available for foreign shipment. Market prices are expected to strengthen somewhat from current levels due to increased demand for products manufactured from tallow.

World Tallow Imports. World imports of tallow and greases in 1970 totaled 3,351 million pounds, down slightly from the 1969 level of 3,367 but substantially above the 1961-65 annual average of 2,548 million. The larger imports recorded for the Netherlands, Belgium-Luxembourg, West Germany, the United Kingdom, UAR (Egypt), France, Pakistan, Mexico, and South Korea were offset by reduced takings by other countries, particularly Japan, Spain, Italy, Ghana, India, and Turkey.

Japan World's Largest Importer. Japan continues to be the world's largest importer of tallow and greases, accounting for one-fifth of total world imports during the last 3 years. This country's imports in 1970 totaled 625 million pounds, compared with 711 million in 1969 and 669 million in 1968. This market is the major foreign outlet for U.S. tallow and greases, and in 1970 its purchases represented 20 percent of total U.S. export shipments. The United States continues to be Japan's principal supplier, accounting for 74 percent of that country's total imports for 1970, compared with 72 percent for 1969 and 86 percent during the 1961-65 period. Increased competition from Australia, Canada, and New Zealand has reduced the U.S. share since the mid-1960's.

The Netherlands is the second largest importer in the world, accounting for about 10 percent of the total in 1970. This country's imports last year rose to 342 million pounds from 258 million for the previous year. The United States is the major supplier, but its percentage share of the market has trended steadily downward from 84 percent for the 1961-65 period to a 1969 low of 34 percent, despite a small upward turn in 1970 to 58 percent.

India was the third largest world importer of tallow and greases in 1970, followed by Belgium-Luxembourg, West Germany, Spain, the United Kingdom, Italy, and the UAR (Egypt). The United States continues to be the principal supplier in the above countries, with the exception of the United Kingdom.

(Continued on page 14)

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Table 7--Tallow and greases: Imports of specified countries,
average 1961-65, annual 1968-70

Country	Average 1961-65	1968	1969	2/ 1970
	Million pounds	Million pounds	Million pounds	Million pounds
Japan	438	669	711	625
Netherlands	241	273	258	342
India 3/ 4/	13	162	219	5/ 189
Belgium and Luxembourg	58	105	151	162
Germany, West 4/	143	116	147	162
Spain 4/	94	136	184	157
United Kingdom 4/	163	141	139	156
Italy 4/	211	102	179	143
United Arab Republic 4/	112	108	123	5/ 135
France 4/	45	65	94	127
Pakistan 6/	68	29	5/ 46	5/ 107
Korea, South 4/	34	77	83	100
South Africa, Republic of 4/	85	74	74	77
Mexico 5/	1	9	40	69
China, Taiwan 4/	41	38	42	5/ 47
Ecuador 4/	27	43	31	37
Morocco 4/	25	34	23	35
Iran	28	28	13	33
Portugal	13	37	27	28
Philippines 4/	21	23	23	27
Ghana 4/	15	43	60	7/ 25
Guatemala 4/	15	41	20	25
Algeria 8/	14	30	26	23
Canada 4/	6	17	20	22
Chile	12	18	18	9/ 21
El Salvador 4/	14	23	23	21
Peru	28	22	26	20
Turkey 4/	38	14	33	18
Burma 6/ 10/	13	29	26	17
Dominican Republic	8	22	18	17
Kenya	12	12	19	16
Venezuela	16	24	14	15
Yugoslavia 4/	26	53	14	15
Haiti 5/	6	15	13	13
Trinidad and Tobago 4/	5	9	9	12
Mozambique 8/	10	13	16	11
Nicaragua 4/	1	8	13	10
Tanzania	11/	9	12	8
Brazil 4/	7	53	22	6
China Mainland 6/ 10/	49	28	13	2
Colombia 4/	40	9/ 72	9/ 69	---
Poland	95	65	62	---
Other countries	12/ 257	208	214	176
Total	2,548	3,097	3,367	13/ 3,351

- 1/ Includes edible and inedible tallow and greases. 2/ Preliminary. 3/ Year ending April 30.
4/ Tallow only. 5/ Exports from U.S.A. 6/ Year ending June 30. 7/ Canada and U.S.A.
8/ From principal exporting countries. 9/ Oilworld. 10/ Exports from Australia and New Zealand. 11/ Less than 500,000 pounds. 12/ Includes 126 million pounds for USSR.
13/ Includes an estimate for missing data on countries shown.

Table 8--Tallow and greases: Imports into specified countries by country of origin, average 1961-65, annual 1968-70

Importing country and country of origin	Average 1961-65	1968	1969	1/ 1970
	Million pounds	Million pounds	Million pounds	Million pounds
<u>Japan: 2/</u>				
United States	377	582	510	464
Australia	26	22	87	80
Canada	20	31	28	45
New Zealand	11	25	34	26
Hong Kong	3	1	5	7
Netherlands	---	5	13	2
Other countries	1	3	34	1
Total	438	669	711	625
<u>Netherlands: 2/</u>				
United States	202	181	89	198
Germany, West	11	38	42	41
Argentina	1	2	21	32
Canada	3	17	22	21
Australia	3	8	40	15
New Zealand	1	4	18	7
Belgium and Luxembourg	4	4	11	6
Denmark	13	11	5	6
Ireland	3/	1	1	2
USSR	---	3/	4	1
Switzerland	3/	3/	1	1
Spain	---	---	---	9
United Kingdom	1	5	2	3/
Other countries	2	2	2	3
Total	241	273	258	342
<u>Spain: 4/</u>				
United States	78	122	128	132
Argentina	1	---	33	10
France	12	9	11	6
Canada	3/	1	8	6
Netherlands	1	3	3	1
Other countries	2	1	1	2
Total	94	136	184	157
<u>Italy: 4/</u>				
United States	194	92	112	76
Argentina	7	6	30	41
Yugoslavia	---	1	30	20
Australia	5	3/	---	---
Other countries	5	3	7	6
Total	211	102	179	143
<u>Belgium and Luxembourg: 2/</u>				
France	17	15	15	21
Argentina	---	---	23	33
Netherlands	7	10	14	15
United States	20	19	18	47
Germany, West	10	8	10	4
United Kingdom	---	12	9	7
Canada	---	13	8	4
Germany, East	1	10	17	1
Spain	---	---	7	8
Other countries	3	18	30	22
Total	58	105	151	162

(Continued)

Table 8--Tallow and greases: Imports into specified countries by country of origin, average 1961-65, annual 1968-70 (continued)

Importing country and country of origin	Average 1961-65	1968	1969	1/ 1970
	Million pounds	Million pounds	Million pounds	Million pounds
West Germany: 4/				
United States	116	79	52	63
Argentina	1	3	38	45
Australia	2	3	20	25
Denmark	3/	2	1	7
New Zealand	1	---	6	6
United Kingdom	1	1	3	4
Norway	3/	4	2	3
Canada	2	10	9	2
Netherlands	6	3	3	2
Sweden	11	8	6	3/
France	2	2	2	---
Ireland	3/	3/	3	---
Other countries	1	1	2	5
Total	143	116	147	162
United Kingdom: 4/				
Canada	43	57	48	---
Ireland	12	26	22	---
United States	30	19	18	---
New Zealand	33	20	21	---
Germany, West	15	8	10	---
Australia	25	3	9	---
Denmark	2	5	3	---
Sweden	1	3	3	---
Other countries	2	---	5	---
Total	163	141	139	5/ 156

- 1/ Preliminary.
2/ Includes tallow and white hog grease.
3/ Less than 500,000 pounds.
4/ Edible and inedible tallow.
5/ Country of origin not available.

Import Outlook. World imports of tallow and greases during 1971 are expected to show some gain from the previous year. Tallow is continuing to be substituted for coconut and palm kernel oils in soap manufacture in some countries. Its use in animal feeds continues to grow and other industrial outlets are being explored and developed.

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